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U. S. DEPARTMENT OF AGRICULTURE
Foreign Agricultural Service Washington D.C.



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Sugar
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October 1965

MOLASSES AND HONEY

CURRENT SERIAL RECORDS

PRODUCTION UP

World production of industrial molasses 1/ amounted to 3.5 billion gallons for the crop year 1964-65 2/. This was an increase of 14 percent over the high level of 1963-64. Increases were recorded for all continents except Africa, which instead had a slight decline. North America is the largest producing continent and accounted for about 29 percent of the world total. The United States and the Soviet Union are the two largest producers as countries.

Generally, molasses output follows the production trend of centrifugal sugar. For many producing countries, however, no production statistics are recorded. In some countries, molasses is considered a waste product, disposed of by dumping in the rivers. For countries where reliable information was not available, production has been estimated; this is indicated in the accompanying table by parentheses. These estimates were calculated primarily on the basis of the known relationship between production of molasses and of sugar in other countries that have similar processing methods. However, it is recognized that these relationships may vary from country to country and even from year to year in the same country.

Production of molasses continues to increase in the United States. Nevertheless, imports amount to nearly as much as is produced on the mainland. Livestock feed accounts for over three-fourths of the total utilization. Utilization for yeast, citric acid, and vinegar is second in importance while smaller amounts are used for pharmaceuticals and distilled spirits. Cuba was the leading supplier to the United States, as well as the number one producer, before severance of diplomatic relations.

1/ Industrial molasses as used in this report includes blackstrap or final molasses from raw sugar, refiners' molasses, and beet molasses, but excludes edible molasses and table sirups.

2/ Crop year corresponds to the period in which centrifugal sugar is produced.

Mexican production continues to increase at a substantial rate. Brazil's output continues to go up also, and still accounts for more than half of the South American output.

Most European countries had a larger production in 1964-65 than in 1963-64, with the most significant increase made by France. The greater part of French consumption goes into alcohol distilleries, with the remainder used for yeast, livestock feed, and other products. Other than USSR, the leading East European producer is Poland.

Molasses production in India is estimated at 225 million gallons for 1964-65, an increase of 44 million gallons over 1963-64. It is estimated that 50 to 60 percent is used in the production of industrial alcohol and potable spirits.

The accompanying molasses trade tables include only specific countries; no estimates have been made for total world trade. Exports of industrial molasses for these countries totaled 335 million gallons in 1964, compared with 566 million gallons in 1963. The largest single exporter is now Mexico, since Cuban exports have declined sharply from the 1955-59 average. Other countries which ship more than 10 million gallons per year include the United States, Australia, France, Jamaica, Mauritius, and Trinidad.

Imports of industrial molasses in the listed specified countries in 1964 declined slightly from the previous year. Slight declines were registered for North America, Western Europe, and Japan. The United States is by far the world's largest importer and surpasses all Western Europe in this respect. Japan is now second largest importer, while the United Kingdom ranks third.

The 1964 production of honey in 16 selected countries was 675.5 million pounds, compared with 644 million in 1963. The 1955-59 average production was 494.3 million pounds. For the specified countries, production was up almost 5 percent in 1964 compared with that for 1963, and up by 37 percent from the 1955-59 average. The United States far exceeds any of the other listed countries in size of crop. Other leading producers are Argentina, Mexico, Australia, and Canada. The major exporters of honey in 1964 were Mexico, Argentina, Australia, and the United States. West Germany remained the largest importer, despite a drop of 14 percent from 1963.

United States

Production of honey dropped 4.5 percent below the alltime record of 1963. It was still 17 percent above the 1955-59 average. Increases in output per colony have been primarily responsible for increases in recent years. Colonies

of bees on July 1 were 5,558,000, or 1 percent below the high level of 5,600,000 colonies in 1964. While losses of colonies during the past winter and spring were heavier than those of the previous year, replacement rates were high. Nectar plants averaged 80 percent of normal condition on July 1, 1965, or 3 points above last year.

Honey exports from the United States declined from 25 million pounds in 1963 to 8.9 million for 1964. The big part of the decline was in shipments to West Germany. Those to Japan, however, showed an increase. Imports rose from 2.6 million pounds for 1963 to 4.9 million for 1964; almost four-fifths of the total were from Mexico.

Argentina

The 1964 honey output amounted to 66.1 million pounds, which was 40 percent higher than the previous record output of 1963. The 1965 crop is estimated at about the 1964 level, although some producers reportedly reduced their swarms due to low prices. Exports from Argentina during 1964 were approximately 43 million pounds. The heaviest importers were West Germany, United Kingdom, Italy, and France.

Mexico

The Mexican honey crop was 6 percent larger in 1964 than in the previous year, but lower than the alltime high of 1962. The Yucatan produces half or more of the crop in Mexico. This country exported 32.6 million pounds to West Germany in 1964. The United States was the second largest market. The bulk of the crop is exported. Prospects point to a larger crop for 1965, with exports at approximately the same level as in 1964. Total colonies are estimated at 1.5 million, of which 700,000 are of the modern type.

Australia

The Australian 1963-64 honey production was much larger than first anticipated, mainly as a result of better-than-expected seasonal conditions in Victoria and in South and Western Australia. Hive numbers for 1963-64 amounted to 450,000 of which 339,000 were productive. Exports for 1963-64 were significantly below those of 1962-63 despite the increase in production. At the end of the season substantial surpluses had accumulated. Total 1963-64 honey exports amounted to 18.9 million pounds, compared to 26.8 million in 1962-63. The United Kingdom remained the leading buyer, accounting for more than 12.5 million pounds. West Germany's imports of Australian honey have declined sharply; however, Japanese interest has grown rapidly in the past three years.

There has been a significant expansion in honey research by the state Departments of Agriculture and by universities. In August 1964 a Honey Research Advisory Committee was established.

Canada

Production in 1964 totaled 35.1 million pounds, as against 42.1 million in 1963. Colony numbers were estimated at 382,240, compared with 360,060 in 1963. Exports have increased each year since 1961. The United Kingdom is the largest buyer, followed by West Germany. Seventy percent of Canadian honey currently exported to the United Kingdom is now packaged in consumer-size containers, as against approximately 25 percent in 1960. Average yield per colony in 1964 fell to 92 pounds from 117 pounds in 1963.

Canada's 1965 production of honey is forecast at more than 47 million pounds. This would be about one-third larger than 1964 production, as both colony numbers and yield per colony have risen this year.

Other Countries

Production for France was high in 1964 and imports declined. Italian production has shown a rapid rise in recent years; however, Italy is still a small net importer. There was little change in West German production for the 1964 year, but imports dropped off sharply. Consumption declined as price levels were high at the start of 1964 and the subsequent price falls resulted in honey sales promotion being neglected. The 1964 honey production in Spain was down about 9 percent as hive numbers at 606,420 were 17.6 percent below 1963 levels. Exports dropped sharply in 1964, although foreign markets are eagerly sought. There was little change in Brazil's 1964 production but Austria had a record crop. The 1965 Austrian crop will probably decline by about one-third, and imports are expected to increase.

HONEY: West Germany's imports from major countries
average 1955-59, annual 1962, 1963 and 1964

Country of origin	Average	1962	1963	1964
	1955-59	:	:	:
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Argentina.....	11,929	29,672	21,054	23,180
Mexico.....	11,938	28,658	25,445	22,928
United States.....	10,320	4,890	11,257	5,555
Hungary.....	1,886	2,639	3,990	4,209
Cuba.....	5,738	3,347	2,795	2,951
Guatemala.....	2,631	5,946	5,802	2,726
Australia.....	8,270	14,537	9,209	2,327
Chile.....	4,276	3,247	3,148	2,076
Poland.....	365	844	2,831	2,054
Rumania.....	456	2,324	2,185	1,872
El Salvador.....	873	1,508	2,518	1,319
Others.....	9,473	9,721	8,878	13,906
Total.....	68,155	107,333	99,112	85,603

Foreign Agricultural Service: compiled from official statistics.

HONEY: Production in specified countries, average 1955-59
annual 1962, 1963 and 1964

Country					
		Average	1962	1963	1964 <u>1/</u>
		1955-59			
	1,000	1,000	1,000	1,000	1,000
	pounds	pounds	pounds	pounds	pounds
United States.....	243,950	272,788	299,353	285,744	
Argentina.....	27,778	37,478	47,399	66,138	
Mexico.....	42,659	66,138	56,217	59,524	
Australia <u>2/</u>	37,051	43,651	32,679	45,647	
Canada.....	28,078	30,713	42,100	35,100	
France.....	38,581	26,455	28,660	33,069	
Italy.....	<u>3/</u>	8,818	13,228	22,046	
Germany, West.....	17,549	16,535	20,944	21,164	
Spain.....	16,337	21,305	21,746	19,841	
Brazil.....	7,014	16,628	16,535	16,909	
Japan.....	<u>3/</u>	12,992	13,653	16,382	
Chile.....	12,531	14,330	14,550	14,991	
Austria.....	6,526	7,937	8,377	13,228	
New Zealand.....	11,715	13,171	13,680	12,242	
Yugoslavia.....	<u>3/</u>	7,454	8,607	9,480	
Guatemala.....	4,509	6,570	6,227	4,000	
Total.....	494,278	602,963	643,955	675,505	

1/ Preliminary.

2/ Crop year beginning July of previous year.

3/ Not available.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

HONEY: Major countries of destination of U.S. exports
average 1955-59, annual 1962, 1963 and 1964

Country of destination	Average 1955-59	1962	1963	1964
	Pounds	Pounds	Pounds	Pounds
Germany, West.....	9,563,331	6,593,360	12,118,974	2,340,448
Canada.....	4,305,787	657,986	1,802,475	1,648,311
Japan.....	13,175	24,803	918,620	1,176,326
France.....	302,407	3,276,194	4,079,959	701,957
Netherlands.....	1,594,351	749,218	1,505,655	632,013
Belgium.....	1,481,332	488,865	980,695	584,095
United Kingdom.....	251,650	514,099	833,124	531,778
Switzerland.....	609,687	245,215	498,439	318,617
Denmark.....	9,000	37,712	553,461	117,460
Italy.....	72,205	-	836,481	-
All other countries.....	485,184	1,058,615	907,462	698,056
Total.....	18,688,109	13,646,067	25,035,345	8,949,061

Compiled from official records of the Bureau of the Census.

HONEY: Major sources of U.S. imports, average 1955-59
annual 1962, 1963 and 1964

Country of origin	Average 1955-59	1962	1963	1964
	Pounds	Pounds	Pounds	Pounds
Mexico.....	3,921,769	4,020,369	1,608,025	3,904,609
Argentina.....	228,987	2,382,097	387,527	647,243
Dominican Republic.....	53,173	100,816	76,328	59,009
Germany, West.....	8,667	42,702	54,172	56,212
Canada.....	61,091	103,014	142,307	45,842
Greece.....	24,486	54,816	46,554	42,257
Guatemala.....	598,903	107,780	91,691	33,600
United Kingdom.....	4,256	4,746	10,990	15,364
Poland.....	-	9,000	38,376	8,641
Haiti.....	8,577	118,861	34,052	-
All other countries.....	659,647	166,559	111,153	104,353
Total.....	5,569,556	7,110,760	2,601,175	4,917,126

Compiled from official records of the Bureau of the Census.

HONEY: Exports of specified countries, average 1955-59
annual 1962, 1963 and 1964

Continent and country	Average 1955-59	1962	1963	1964 <u>1/</u>
	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>
North America:				
Canada.....	534	3,629	4,350	4,915
El Salvador.....	1,067	2,050	2,337	<u>N.A.</u>
Guatemala.....	5,027	6,985	6,954	3,715
Jamaica.....	798	525	260	<u>N.A.</u>
Mexico.....	26,073	44,656	40,754	50,488
Nicaragua.....	13	68	57	<u>N.A.</u>
United States.....	18,688	13,646	25,035	8,949
Total.....	52,200	71,559	79,747	68,067
South America:				
Argentina.....	15,892	42,661	24,761	43,239
Chile.....	6,740	7,093	3,916	<u>N.A.</u>
Total.....	22,632	49,754	28,677	43,239
Europe:				
Belgium and Luxembourg...	75	100	58	25
Denmark.....	62	-	108	183
France.....	1,315	1,821	1,349	1,138
Germany, West.....	<u>N.A.</u>	175	318	509
Greece.....	278	293	379	346
Italy.....	69	210	180	201
Netherlands.....	421	615	642	683
Spain.....	1,510	3,123	8,887	<u>N.A.</u>
Switzerland.....	33	9	12	8
Yugoslavia.....	1,947	1,242	1,577	2,050
Total.....	5,710	7,588	13,510	5,143
Other Countries:				
Australia <u>2/</u>	18,868	25,390	26,759	18,859
Japan.....	420	7	1	7
New Zealand.....	2,641	2,110	2/2,731	<u>2/1,721</u>
Total.....	21,929	27,507	29,491	20,587
Total of above.....	102,471	156,408	151,425	137,036

1/ Preliminary. 2/ Crop year beginning July of previous year.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

HONEY: Imports of specified countries, average 1955-59
annual 1962, 1963 and 1964

Continent and country	Average 1955-59	1962	1963	1964 <u>1/</u>
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
North America:				
Canada.....	4,554	622	3,628	2,803
El Salvador.....	M.A.	67	75	M.A.
Mexico.....	M.A.	2	1	2
United States.....	5,570	7,111	2,601	4,917
Total.....	10,124	7,802	6,305	7,722
Europe:				
Austria.....	4,881	7,046	7,029	6,306
Belgium and Luxembourg...	3,941	3,975	5,165	3,751
Denmark.....	914	2,205	2,156	321
France.....	4,473	10,289	10,758	8,627
Germany, West.....	68,155	107,333	99,112	85,602
Italy.....	1,743	2,139	3,904	1,957
Netherlands.....	3,478	5,661	6,208	5,064
Switzerland.....	4,667	7,101	7,700	7,616
Total.....	92,252	145,749	142,032	119,244
Asia:				
Ceylon.....	9	30	19	27
Hong Kong.....	689	513	464	615
Japan.....	6	27	2,951	5,676
Total.....	704	570	3,434	6,318
Total of above.....	103,080	154,121	151,771	133,284

1/ Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

MOLASSES, INDUSTRIAL: World production, average 1955-56 through 1959-60
annual 1962-63, 1963-64 and 1964-65 1/

Continent and country	Average			
	1955-56	1962-63	1963-64	1964-65 <u>2/</u>
	through			
	1959-60			
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
North America:				
Canada <u>3/</u>	8,655	9,579	(10,600)	10,676
Costa Rica	1,927	3,821	3,977	3,933
Cuba <u>4/</u>	297,324	(180,000)	(174,300)	(250,000)
Dominican Republic	(25,338)	58,196	60,032	60,875
El Salvador	1,925	3,789	4,424	6,165
Guatemala	3,615	7,500	8,000	8,000
Haiti	(4,053)	3,000	3,000	3,000
Jamaica	(15,520)	(35,670)	30,750	31,402
Mexico	86,937	131,485	142,728	160,070
Nicaragua	6/ 3,140	7,246	6,093	5,612
United States, Mainland	169,104	242,225	286,816	301,863
Hawaii	53,084	55,373	57,688	(56,000)
Puerto Rico	57,106	61,548	64,400	57,200
Other North America	(45,500)	(57,900)	(56,113)	(58,000)
Total North America	773,228	857,332	908,921	1,012,796
South America:				
Argentina	39,331	65,793	77,432	85,528
Brazil	(202,600)	230,387	230,762	252,864
British Guiana	(14,840)	23,677	23,211	21,540
Chile	1,127	2,601	4,006	3,573
Peru <u>3/</u>	40,864	47,994	47,014	46,827
Venezuela <u>3/</u>	N.A.	22,657	27,131	30,316
Other South America	(36,400)	(18,000)	(21,750)	(25,000)
Total South America	335,162	411,109	431,306	465,648
Europe:				
Austria	11,638	11,594	15,659	15,977
Belgium and Luxembourg	17,502	17,045	17,794	18,356
Denmark	16,014	8,935	17,981	21,540
Finland	2,453	2,744	4,121	3,933
France	76,473	74,923	88,409	109,574
Germany, West	82,541	69,116	97,587	112,197
Greece	N.A.	2,098	3,003	4,670
Ireland	4,638	7,613	6,852	6,930
Italy	66,517	50,115	59,938	59,938
Netherlands	21,635	19,667	17,794	34,652
Spain	24,627	32,826	25,970	32,333
Sweden	13,310	10,115	11,613	13,730
Switzerland	1,726	1,480	2,060	2,435
United Kingdom	45,109	46,092	44,500	56,333
Total West Europe	384,183	354,363	413,281	492,598

- continued

MOLASSES, INDUSTRIAL: World production, average 1955-56 through 1959-60
annual 1962-63, 1963-64 and 1964-65 1/ (continued)

Continent and country	Average 1955-56 through 1959-60	1962-63	1963-64	1964-65 2/
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
Europe - continued:				
Hungary.....	(16,504)	22,334	28,460	31,468
Poland.....	(46,614)	62,935	69,397	88,034
Rumania.....	N.A. :	16,858	20,229	24,350
Yugoslavia.....	10,462	11,426	15,814	16,108
Other East Europe.....	(83,800)	(57,000)	(105,950)	(110,000)
Total East Europe.....	157,380	210,553	239,850	269,960
Total Europe.....	541,563	564,916	653,131	762,558
USSR (Europe and Asia).....	(241,800)	(330,000)	(328,600)	(400,000)
Africa:				
Angola.....	2,423	3,048	2,775	3,126
Egypt 5/.....	27,665	33,615	31,885	29,969
Mauritius.....	21,274	23,018	28,018	21,312
Mozambique.....	N.A. :	9,365	13,111	3/11,051
South Africa, Republic of....	(38,400)	59,372	60,621	63,807
Other Africa.....	(39,800)	(56,700)	(54,550)	(55,000)
Total Africa.....	129,562	185,118	190,960	184,265
Asia:				
China, Taiwan.....	32,321	31,447	31,320	34,090
India.....	149,218	140,293	180,564	224,768
Indonesia.....	(36,292)	29,969	34,652	32,779
Japan 3/	N.A. :	12,175	12,269	11,800
Philippines.....	(57,540)	83,553	101,480	113,882
Thailand.....	6/ 10,849	20,604	24,350	37,461
Turkey.....	(16,359)	19,273	22,481	34,933
Other Asia.....	(55,000)	(86,000)	(74,500)	(85,000)
Total Asia.....	357,579	423,314	481,616	574,713
Oceania:				
Australia.....	51,654	63,299	56,250	68,750
Fiji.....	(9,120)	12,306	14,985	15,359
Total Oceania.....	60,774	75,605	71,235	84,109
Total world.....	2,439,668	2,847,394	3,065,769	3,484,089

1/ In each country the year of production is the same as that for centrifugal sugar production. Production has been estimated by groups of countries known to produce centrifugal sugar, but for which insufficient data are available to show production for each country. Figures in parentheses are Foreign Agricultural Service estimates. 2/ Preliminary. 3/ Calendar year; first year mentioned in heading. 4/ Includes hi-test molasses. 5/ May include edible molasses. 6/ 3 year average.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

MOLASSES, INDUSTRIAL: Exports of specified countries
average 1955-59, annual 1962, 1963 and 1964

Continent and country	Average 1955-59	1962	1963	1964 1/
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
North America				
Barbados.....	5,781	7,481	9,630	1,017
Canada.....	2,059	650	2,545	1,653
Cuba 2/.....	192,719	117,522	98,330	71,024
Dominican Republic.....	34,326	47,222	39,169	■.A.
Jamaica.....	15,338	21,277	18,357	18,051
Mexico.....	43,755	63,749	86,780	94,735
Trinidad and Tobago.....	7,609	11,892	11,805	10,290
United States.....	21,400	15,279	21,398	24,482
Total North America.....	322,987	285,072	288,014	221,252
South America:				
British Guiana.....	10,722	17,708	16,596	■.A.
Ecuador.....	3,382	4,593	5,632	5,534
Peru.....	3,693	16,670	24,861	■.A.
Total South America.....	17,797	38,971	47,089	5,534
Europe:				
Austria.....	3/	1,982	192	20
Belgium and Luxembourg.....	426	1,098	158	2,947
Denmark.....	3,378	952	2,368	6,924
France.....	19,312	15,071	19,907	22,325
Germany, West.....	721	3/	1	7
Italy.....	3,342	5,545	6,220	0
Netherlands.....	3,619	3,425	66	206
United Kingdom 4/.....	3,251	3,419	930	1,171
Total West Europe.....	34,049	31,492	29,842	33,600
Africa:				
Mauritius.....	11,176	14,385	20,368	18,137
Mozambique.....	N.A.	1,829	6,429	4,495
South Africa, Republic of	2,184	15,792	27,481	9,400
Total Africa.....	13,360	32,006	54,278	32,032
Asia:				
Hong Kong.....	741	29	19	59
India 4/.....	4,532	15,378	17,009	2,516
Indonesia.....	24,086	25,197	18,250	■.A.
Philippines.....	42,566	45,012	65,062	■.A.
Thailand.....	1,939	9,024	6,863	6,875
Turkey.....	410	5,494	6,388	4,121
Total Asia.....	74,274	100,134	113,591	13,571
Oceania:				
Australia 5/.....	935	228	22,267	15,400
Fiji.....	7,122	6,859	11,391	13,823
Total Oceania.....	8,057	7,087	33,658	29,223
Total of above.....	470,524	494,762	566,472	335,212

1/ Preliminary. 2/ Compiled from statistics of importing countries.
3/ Less than 500 gallons. 4/ Includes invert sugar. 5/ Crop year
beginning July 1 of year indicated.

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MOLASSES, INDUSTRIAL: Imports of specified countries
average 1955-59, annual 1962, 1963 and 1964

Continent and country	Average 1955-59	1962	1963	1964 1/
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
North America:				
Canada 2/.....	15,879	19,644	25,933	26,398
United States.....	<u>314,733</u>	<u>264,063</u>	<u>270,127</u>	<u>266,421</u>
Total North America.....	<u>330,612</u>	<u>283,707</u>	<u>296,060</u>	<u>292,819</u>
Europe:				
Austria.....	929	3/	3/	29
Belgium and Luxembourg.....	6,707	13,216	25,168	25,263
Denmark.....	957	285	2,104	85
Finland.....	1,613	1,856	N.A.	4,810
France.....	94	228	803	4,665
Germany, West.....	4,192	37,491	47,042	25,192
Greece.....	3,854	1,170	88	895
Ireland.....	1,013	2,373	2,314	1,177
Italy.....	1,304	1,368	1,622	3,701
Netherlands.....	10,099	29,767	40,283	39,603
Norway.....	1,525	3,459	4,890	6,597
Sweden.....	2,242	5,134	9,536	9,908
United Kingdom 4/.....	<u>76,631</u>	<u>97,140</u>	<u>73,962</u>	<u>79,822</u>
Total West Europe.....	<u>111,160</u>	<u>193,487</u>	<u>207,812</u>	<u>201,747</u>
Other Countries:				
Australia 5/.....	14,838	11,099	11,419	N.A.
Ceylon.....	58	287	165	76
Hong Kong.....	1,174	1,538	278	355
Japan.....	<u>34,472</u>	<u>96,363</u>	<u>107,338</u>	<u>103,662</u>
Total of other Countries..	<u>50,542</u>	<u>109,287</u>	<u>119,200</u>	<u>104,093</u>
Total of above.....	<u>492,314</u>	<u>586,481</u>	<u>623,072</u>	<u>598,659</u>

1/ Preliminary. 2/ Includes hi-test molasses. 3/ Less than 500 gallons.

4/ Includes invert sugar. 5/ Crop year, beginning July 1 of year indicated.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attachés and Foreign Service Officers, results of office research and related information.

